## Amendments to the Claims:

- 2 This listing of claims will replace all prior versions, and listings of claims in the
- 3 application:

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## **Listing of Claims:**

- 5 Claims 1-35 (Cancelled)
- 1 36. (New) A method of identifying an inhibitor of a
- 2 glycosyltransferase that transfers a monosaccharide from a sugar nucleotide to an
- 3 acceptor substrate, the method comprising contacting the glycosyltransferase, an acceptor
- 4 substrate, and a donor substrate with a hydrophobic, non-carbohydrate test compound
- 5 that inhibits interaction of a sugar with hydrophobic amino acids in the active site of the
- 6 glycosyltransferase and determining the degree to which the activity of the
- 7 glycosyltransferase is inhibited in the presence of the test compound.
- 1 37. (New) The method of claim 36, wherein the activity of the
- 2 glycosyltransferase is determined using an antibody that is specifically immunoreactive
- 3 with a product of the reaction catalyzed by the glycosyltransferase.
- 1 38. (New) The method of claim 37, which is an ELISA format.
- 1 39. (New) The method of claim 36, wherein the glycosyltransferase is
- 2 expressed in a recombinant cell.
- 1 40. (New) The method of claim 36, wherein the donor substrate or
- 2 acceptor substrate is labeled.
- 1 41. (New) The method of claim 40, wherein the label is a radioactive
- 2 label.

